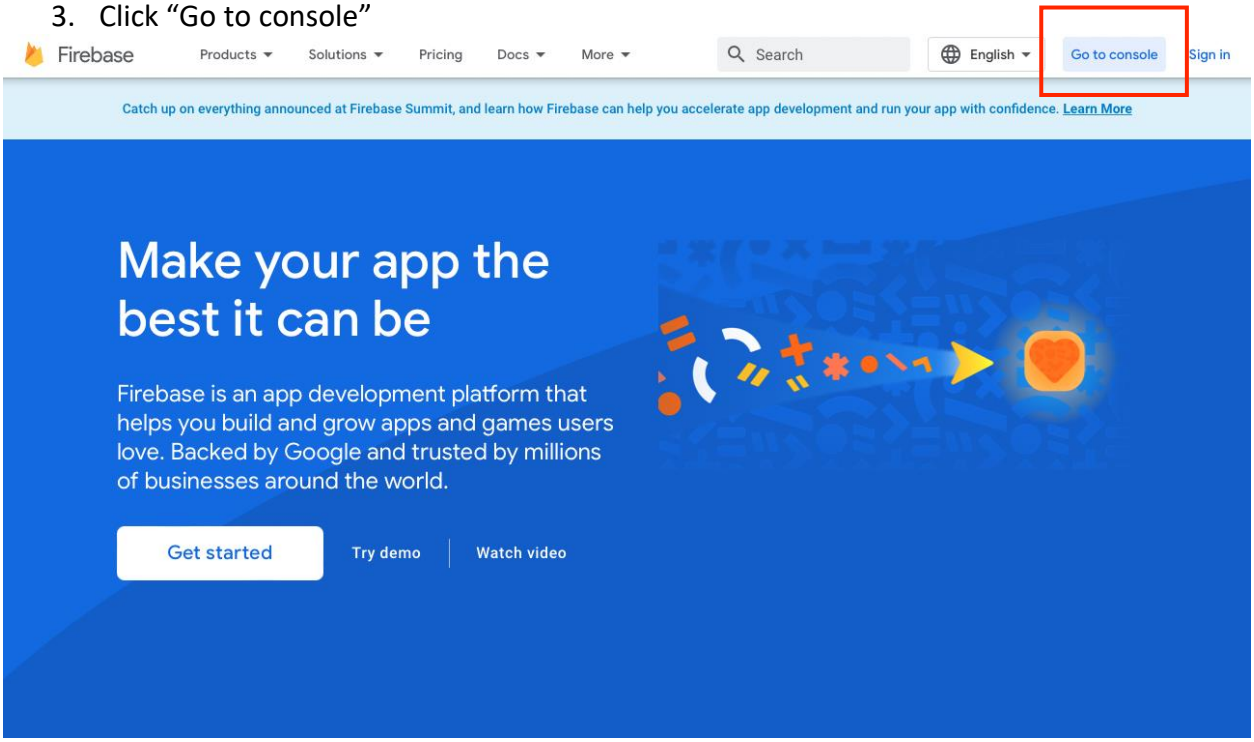
64130500062

INT305 Lab 13 Import Data

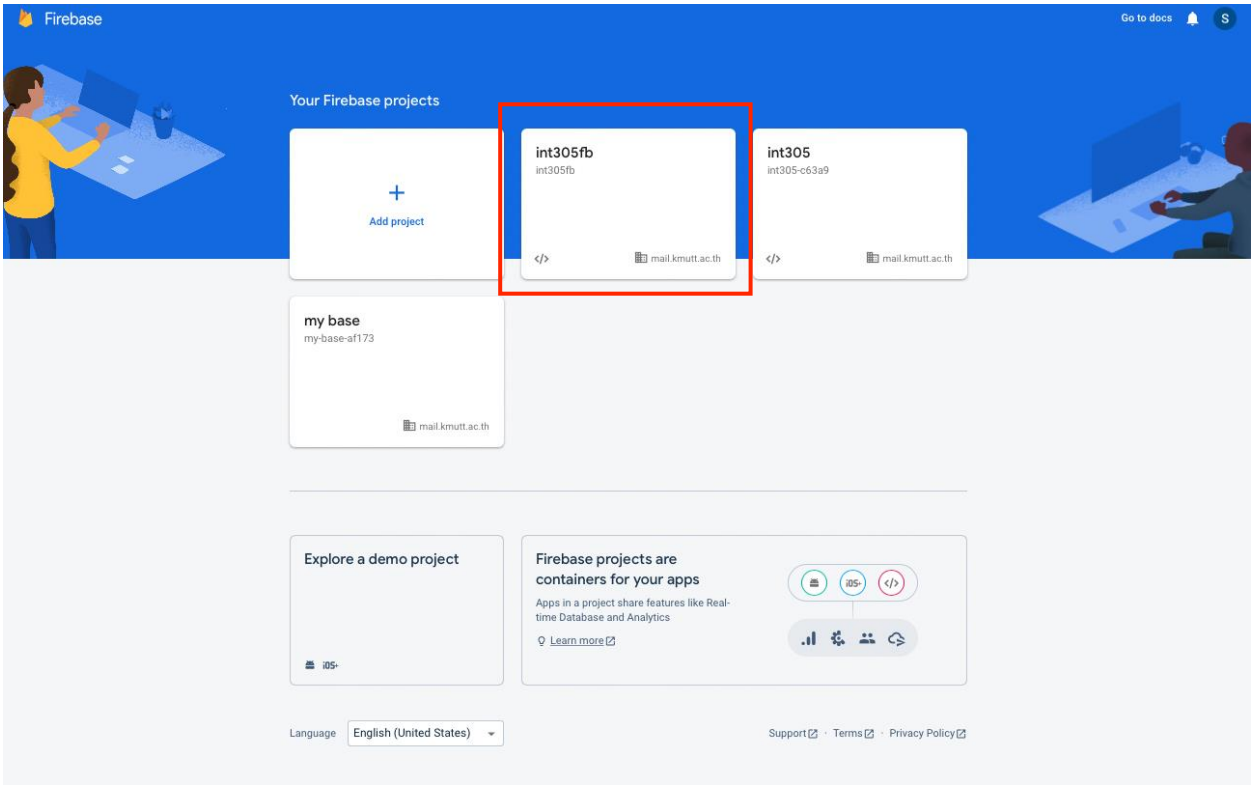
1. Download Lab13_Import_Data.zip and unzip the file
2. Open a terminal and change directory to the folder “Lab13_Import_Data” and run “npm install”

```
cd Lab13_Import_Data
npm install
```

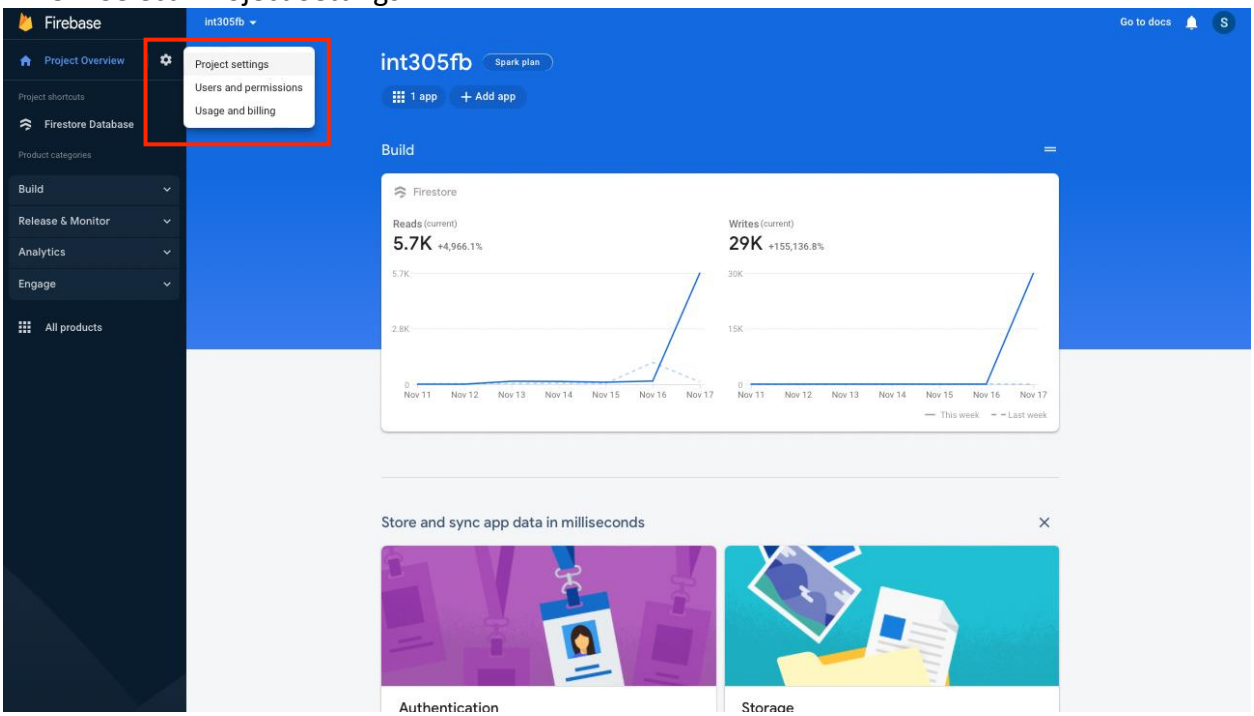
3. Click “Go to console”



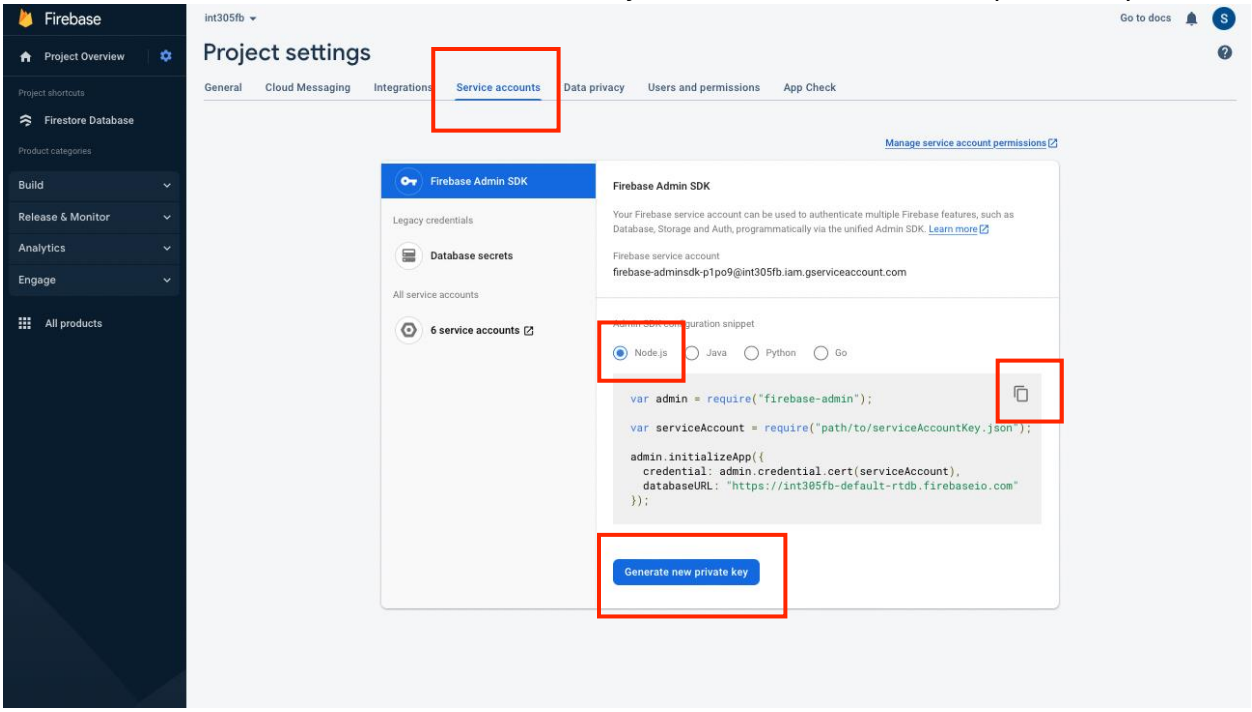
4. Select “int305fb”



5. Select “Project Settings”



6. Click “Service accounts” and click “Node.js” and click “Generate new private key”



7. Rename the generated file (for example: int305fb-firebase-adminsdk-p1po9-2fce844c9a.json) to “serviceAccountKey.json” and move it the folder Lab13_Import_Data to replace the existing one in the folder.

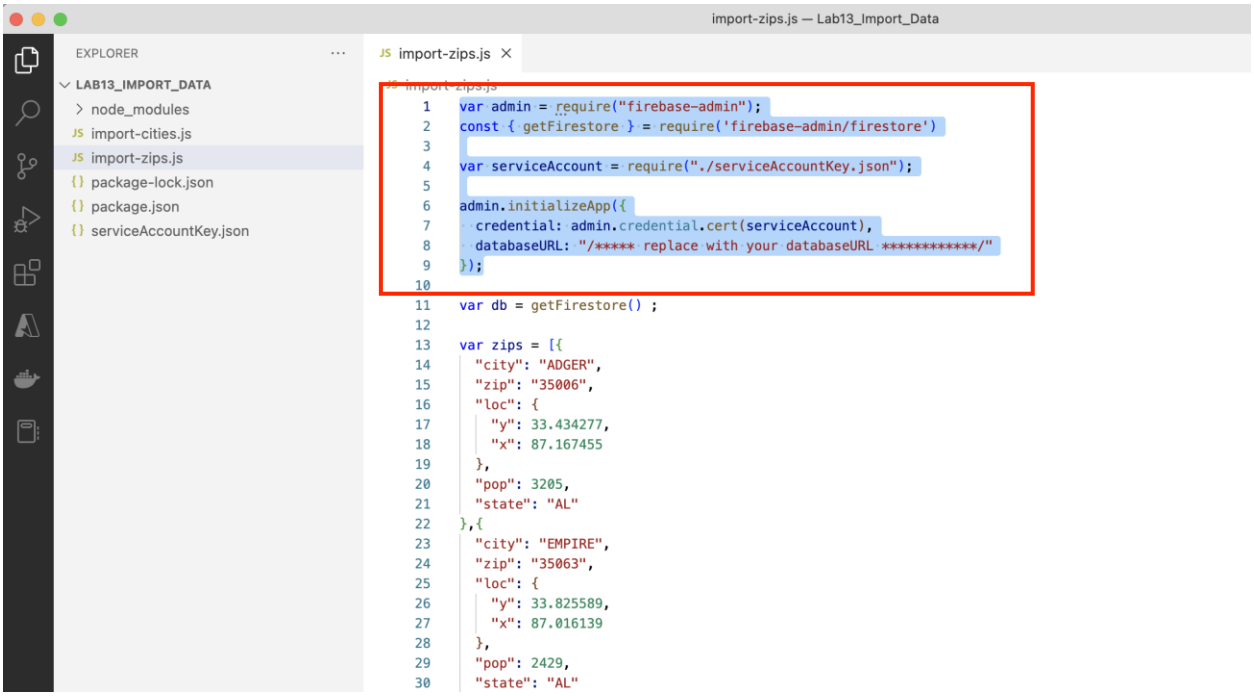
********Paste your serviceAccountKey.json here **********


```
{
  "type": "service_account",
  "project_id": "int305fb062",
  "private_key_id": "b0d27eaaaadb2519cfca8a7ff57ec40fdfa465c0",
  "private_key": "-----BEGIN PRIVATE KEY-----
\nMIIEvQIBADANBgkqhkiG9w0BAQEFAASCBKcwggSjAgEAAoIBAQC8y6pHGp3gK5xB\nVNCNYmi
Js/Q1KxyCvXl1RSznDe+noxyS5roHtqjKP1M+SBjnBGhtGSZWt8uZMUPp\n8J1x9FidUFN9OE32g5L
3byetdJMo2Ma3nbF8dg4He924D/h/nqpPc0jZQMDN3Sy5\nW2euN6OIFnUX5Hk0BVJVTmIfIrm+
ic0TckyEu+sp2aWJ467tWaR3PIEakxSDTl7q\nP5hINKjO8PzgBbaPDUHrhDv39NMad1GhLy8kU5K
mT6foCr2auZl0nHPLIVAxBqI9\n92BGVKf3Jjg0AQ6aoO1B5m3uZN7ZdMTRtsykOn4RvctHMlKNzc
VTbaYDDrDwl7CE\ngDz7b/s3AgMBAAECggEAGuaCGqOGPzy3hO+Kz7pn3scPUswTweUxey4iGcH
4ldA9\n8AiEFTlHj5m6SLOJKNGN942P0udZUTidzqWEKYqBXdjmLH9rTGau+CaUZrinhzhs\nCBmm
Am/ny9UwYFuWMsjux2dLx/jb//k1uCt3+HDhEjDw+jiJtInVk2YZwQn3oVhO\ndL8qi/1bH5H5MKL
ofBKzxyL507U2JWseirMeER7RlW/cHV1vwlnklEo1Rc+PUCvL\n7dVk7a2L5xUEgHnxGYS0wIH1p07
84EvnT/BWZNRTf+kD8tXkxLMFoltG65r3BmAj\nZvXiLihj8FRLEdUcNRA2RbW0FZU2gYaDWDAkiH
WPEQKBgQDllJAQO1VUWUEKlWkt\nG9o6Xktv0tWkyyZJRN9VpTzK0XxG/ArmNSH1XHGHvmF1H
9ZIDzhmA7oAM+JVaEgD\nFuOhfmaUWf3gAOSfBPNp6EflGj0yQ9fF1/kLy/fN1HBpq42nH+7yAa7I
2vrdBnk3\neZU3U9DvxCAc97hzZgwesEYzBQKBgQDShZVUKSncsoT0lbrmu6SX1HBNBqDtz3q2\n
y6gQ9E+vYLaEusKVJBX8ZI71zP1ui4N7PgnKafL0vUyZrpK1mFjzDHOpWFZ6yi7a\nfRGbGUYMmjki
H+wa6A4vD9BvHT9ykMijAp6JNi/Bed3eWUgny3NLqBrFZf1vN0uO\n9eTGDlrCCwKBgQCMwMyiZ
v4lvKL3ziqxkUX2SyGM6YI6iqJqgWM7qxbechjznEtC\nYIj1WTvxsXMmz+IcQ9icEuTSgvzcyBZ+bmY
```

Y+NoDUjkoQOPp6qsh31tUxwWF77o2\nffcemGrRMtHIt3kdYaKplQaH9lmfcPyYWl51kVmj5maZ2
/amKYZ8ui4P0QKBgF6y\niEGbYqFMDFKZJ8Gylo9VmE6NtMZElkazxZ4ax91z+6Yo/G5qFRm7gjM/
SqD3UOWX\nOoA6uHcuz84xoPze0uRBraV3fy8s03ak286Qx9nTZe/bvDE+QWMaEgBpf6jhR99L\n
xlSic0jssMjcEIEWG37k12YEQsRMc0iTg50zx8+RAoGAY+AbLKYD5WHAp2oT5mtV\nMA3LSMYK3z
vvBbNEeRxwa7iyGf6o3W9IfAEv7mCm5H2ysvXWF9qrkBOHYt+V06HK\nxXsVPruGIFPaigRLMbxR
TwfVOBR5ufaga0En81isawN6UBiuJSv3m5O2gZCQLQ2b\n02oVxzp4L6zOJgB+wr6leaw=\n-----
END PRIVATE KEY-----\n",
  "client_email": "firebase-adminsdk-jjnio@int305fb062.iam.gserviceaccount.com",
  "client_id": "114679072368266171620",
  "auth_uri": "https://accounts.google.com/o/oauth2/auth",
  "token_uri": "https://oauth2.googleapis.com/token",
  "auth_provider_x509_cert_url": "https://www.googleapis.com/oauth2/v1/certs",
  "client_x509_cert_url": "https://www.googleapis.com/robot/v1/metadata/x509/firebase-
adminsdk-jjnio%40int305fb062.iam.gserviceaccount.com",
  "universe_domain": "googleapis.com"
}

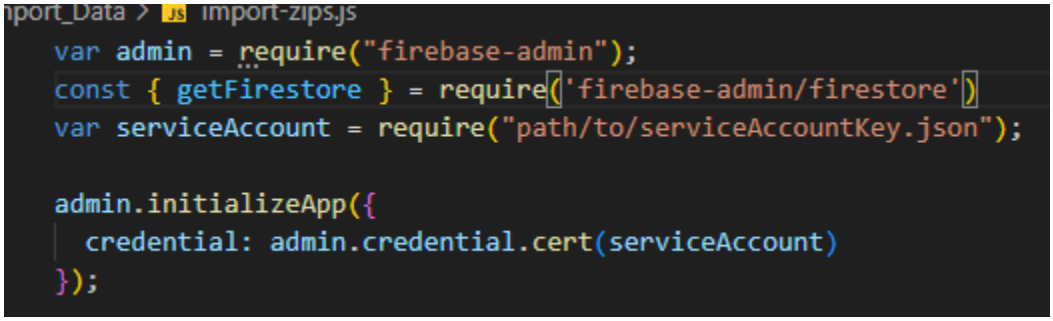
8. Click Copy the code and open the import-zips.js and paste it at the top of the file and add line 2:

```
const { getFirestore } = require('firebase-admin/firestore')
```



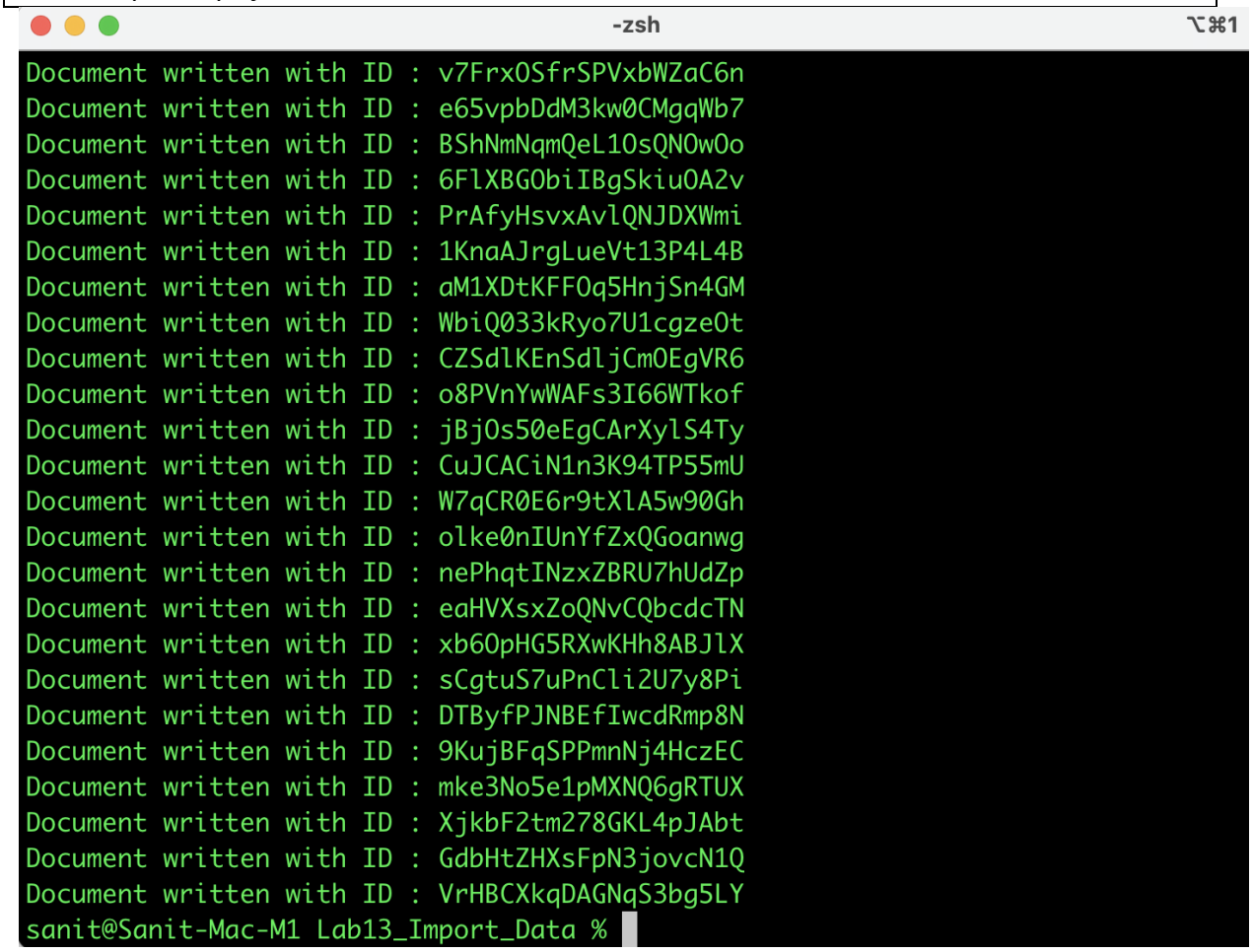
9. Take the screenshot of the top code in the import-zips.js (containing your SDK configure) that looks like the above image.

********Your result **********

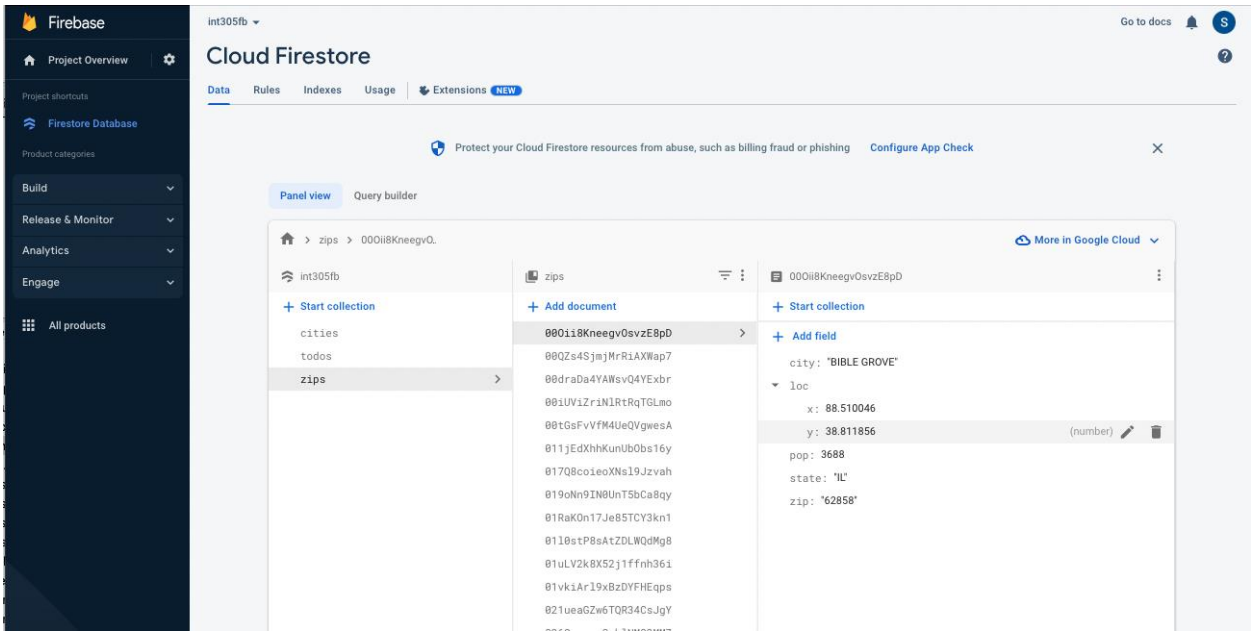


10. Open Terminal or Command Line (Windows) and change directory to the Lab13_Import_Data and run the following command:

```
node  import-zips.js
```

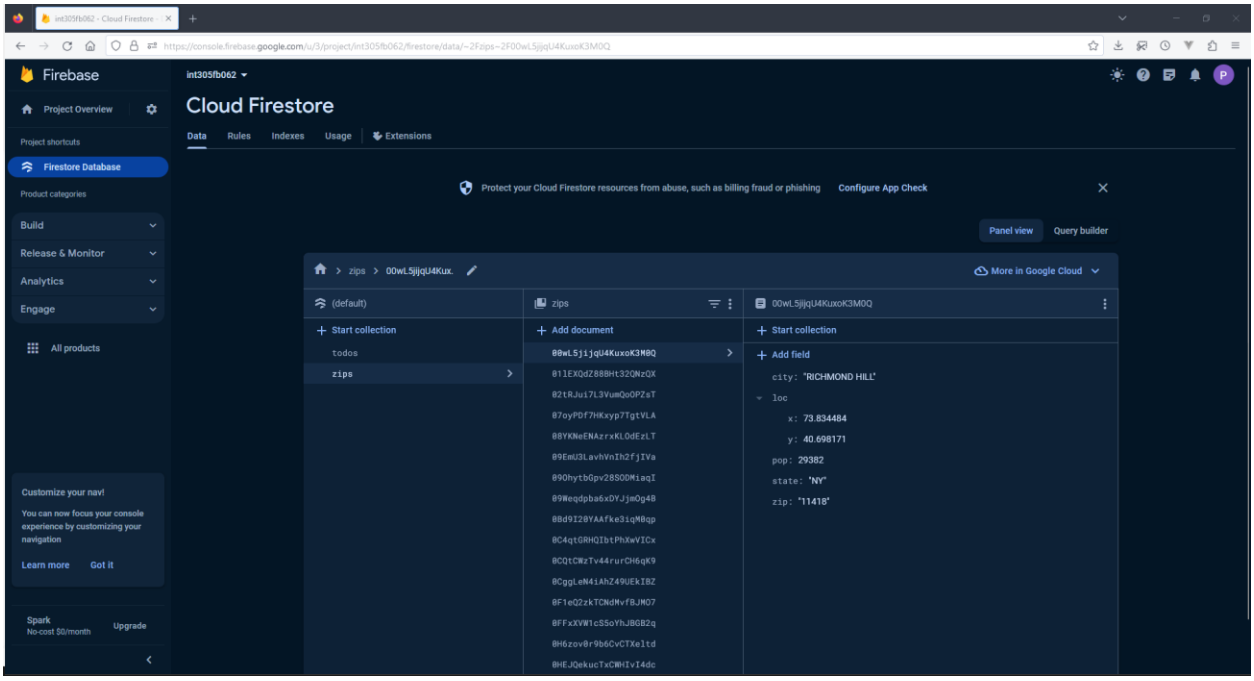


11. Reload the console in Firebase and you will see the zips collection

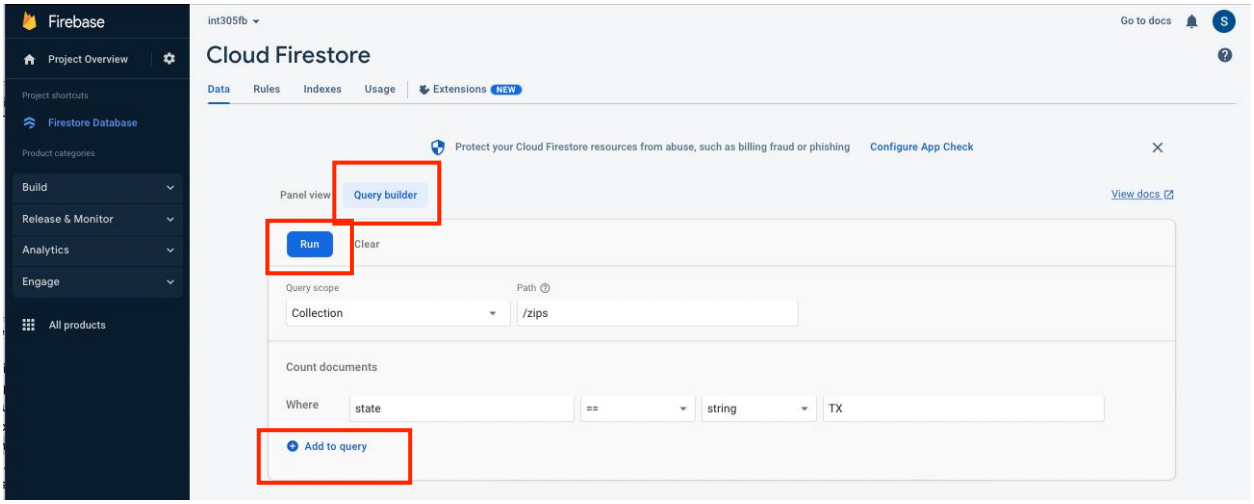
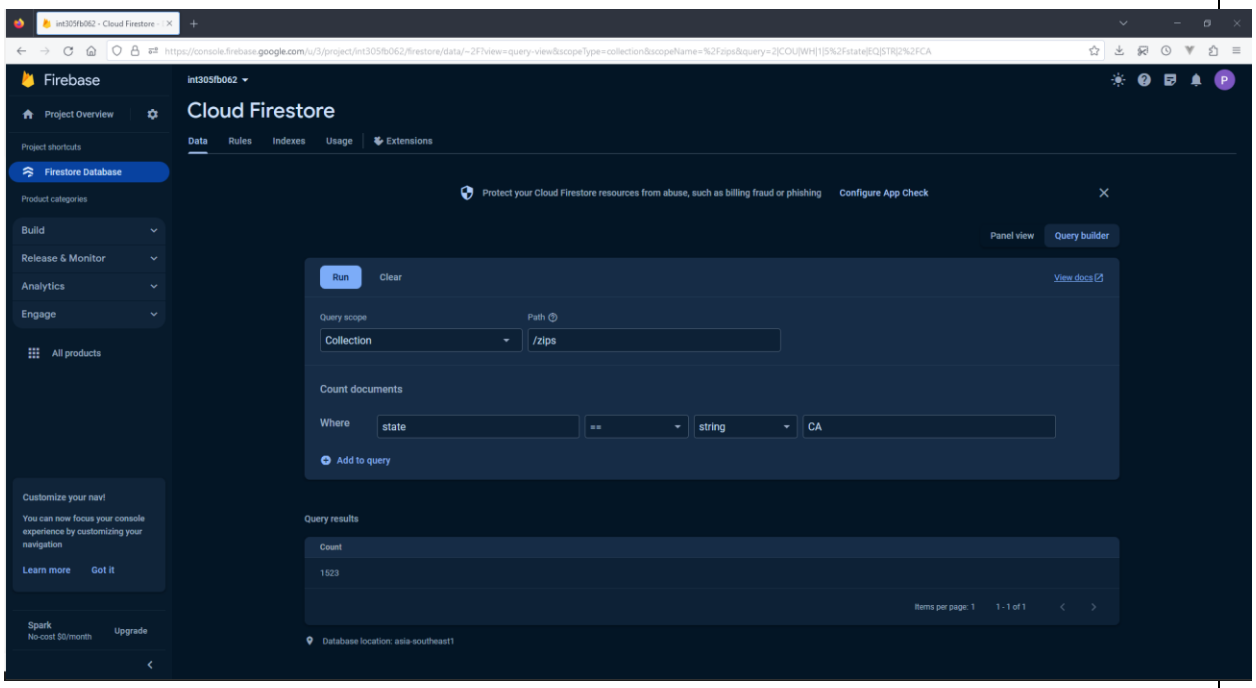

Firebase
Project Overview
Project shortcuts
Firestore Database
Product categories
Build
Release & Monitor
Analytics
Engage
All products
int305fb
Go to docs
Cloud Firestore
Data
Rules
Indexes
Usage
Extensions
NEW
Protect your Cloud Firestore resources from abuse, such as billing fraud or phishing
Configure App Check
Panel view
Query builder
zips > 00Oii8KneegvO..
More in Google Cloud
int305fb
Start collection
cities
todos
zips
zips
Add document
00Oii8KneegvOsvzE8pD
00QZs4SjmjMrRiAXWap7
00draDa4YANsvQ4YExbr
00iUViZriNlRtRqTGLmo
00tGsFvVfM4UeQVgwesA
011jEdXhhKunUbObs16y
017Q8coieoXNsl9Jzvah
019oNn9IN0UnT5bCa8qy
01RaKOn17Je85TCY3kn1
0110stP8sAtZDLWQdMg8
01uLV2k8X52j1ffnh36i
01vkiAr19xBzDYFHEqps
021ueaGZw6TQR34CsJgY
00Oii8KneegvOsvzE8pD
Start collection
Add field
city: "BIBLE GROVE"
loc
x: 88.510046
y: 38.811856
(number)
pop: 3688
state: "IL"
zip: "62858"

12. Take a screenshot of your Firestore Database to show the zips collection and paste it below

********Your result **********



13. Click “Query Builder” and Select Path to “/zips”
    a. click “Add to query” and Select “Count documents”
    b. click “Add to query” and Select “Where” and choose the field “state” and type value to “CA”
    c. Click “Run”



14. Take screenshot to show the total zips in California state (CA) and paste it below:
********Your result **********